

Summary Information

Module Code	3005SPS
Formal Module Title	Human Anatomy and Physiology
Owning School	Sport and Exercise Sciences
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 3
Grading Schema	40

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Benjamin Edwards	Yes	N/A

Module Team Member

Contact Name	Applies to all offerings	Offerings
Neil Chester	Yes	N/A
Ellen Dawson	Yes	N/A
Elizabeth Mahon	Yes	N/A
Dominic Doran	Yes	N/A
Timothy Donovan	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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Teaching Responsibility

LJMU Schools involved in Delivery
Sport and Exercise Sciences

Learning Methods

Learning Method Type	Hours
Lecture	22
Online	11
Practical	2
Seminar	5

Module Offering(s)

Offering Code	Location	Start Month	Duration
JAN-CTY	CTY	January	12 Weeks

Aims and Outcomes

Aims	To develop knowledge and understanding of the basic structure and function of key physiological systems and metabolic processes.
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Learning Outcomes

After completing the module the student should be able to:

Code	Description
MLO1	Describe the function and anatomy (structure) of the cardiorespiratory, renal, endocrine, and neural physiological function and control.
MLO2	Explain the concept of homeostasis and the role physiological systems play in its maintenance.
MLO3	Describe and explain how to conduct, interpret and present in written and/or oral format, basic physiological laboratory experiments.

Module Content

Outline Syllabus

Indicative topics: Introduce physiology the concept of homeostasis. History of anatomy and anatomical Nomenclature How the body 'communicates': 1) Basic structure and function of the central and peripheral nervous system. 2) Basic structure and function of the endocrine system. Tissues of the Body; Integument Skeleton; Joints; Skeletal Muscle; Axial Muscles; Muscles of the limb. Homeostatic regulation of body temperature Basic structure and function of the Cardio-Respiratory system Basic structure and function of the Lymphatic system. Basic structure and function of the Digestive system. Basic structure and function of the Renal and Reproductive systems

Module Overview

The aim of this module is to develop knowledge and understanding of the basic structure and function of key physiological systems and metabolic processes.

Additional Information

The aim of this module is to introduce the concepts of human physiology and their inter-relationships. In doing so it addresses the need for a basic understanding of the anatomy of physiological systems and the physiological responses that occur. Various concepts and theories will be advanced and examined. This process will be extended by the introduction of dedicated laboratory practicals where appropriate to facilitate understanding of how physiological systems adapt to enable the maintenance of homeostasis.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Learning Outcome Mapping
Report	Practical report	60	0	MLO3
Centralised Exam	MCQ exam	40	1	MLO2, MLO1